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# Superoxide Dismutase A (SOD-A), bacterial recombinant protein

**Bacterial Recombinant SOD-A**
**Catalog # PBV10598r**

## Specification

### Superoxide Dismutase A (SOD-A), bacterial recombinant protein - Product info

| | |
|---|---|
| Concentration | **1** |
| Calculated MW | **25.2 kDa (226 aa, 1-206 aa + His Tag) KDa** |

### Superoxide Dismutase A (SOD-A), bacterial recombinant protein - Additional Info

**Other Names**
Superoxide dismutase, manganese, MnSOD.

| | |
|---|---|
| Gene Source | **Bacteria** |
| Source | **E. Coli** |
| Assay&Purity | **SDS-PAGE; ≥95%** |
| Assay2&Purity2 | **N/A;** |
| Recombinant | **Yes** |
| Results | **>350 units/mg** |
| Sequence | **MGSSHHHHHH SSGLVPRGSH MSYTLPSLPY AYDALEPHFD KQTMEIHHTK HHQTYVNNAN AALESLPEFA NLPVEELITK LDQLPADKKT VLRNNAGGHA NHSLFWKGLK KGTTLQGDLK AAIERDFGSV DNFKAEFEKA AASRFGSGWA WLVLKGDKLA VVSTANQDSP LMGEAISGAS GFPIMGLDVW EHAYYLKFQN RRPDYIKEFW NVVNWDEAAA RFAAKK** |

**Format**
Liquid

**Storage**
-80°C; 1 mg/ml solution in 20 mM Tris-HCl (pH 8.0) containing 1 mM DTT, 0.1 M NaCl and 10% glycerol.

### Superoxide Dismutase A (SOD-A), bacterial recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Superoxide Dismutase A (SOD-A), bacterial recombinant protein - Images

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## Superoxide Dismutase A (SOD-A), bacterial recombinant protein - Background

Superoxide dismutase, Mn, also known as sodA, is a member of the iron/manganese superoxide dismutase family. SodA destroys radicals which are normally produced within the cells and which are toxic to biological systems. It works by catalyzing the dismutation of the superoxide radical O2- to O2 and H2O2, which are then metabolized to H2O and O2 by catalase and glutathione peroxidase.